Computer Methods in Applied Mechanics and Engineering 94 (1992) 455–456
North-Holland

Cumulative contents

Volume 94, No. 1, January 1992

Mixed finite element method applied to a magnetostatic problem
F. Rogier and J. Segre 1

An orthogonal accelerated deflation technique for large symmetric eigenproblems
G. Gambolati, F. Sartoretto and P. Florian 13

An explicit multi-time step integration method for second order equations
P. Smolinski 25

A model for finite strain elasto-plasticity based on logarithmic strains: Computational issues
D. Perić, D.R.J. Owen and M.E. Honnor 35

Coarse optimization for complex systems: An application of orthogonal experiments
R.W. Lewis and Y. Zheng 63

Variational inequality formulation in strain space and finite element solution of an elasto-plastic problem with hardening
I. Hlaváček, J. Rosenberg, A.E. Beagles and J.R. Whiteman 93

A natural generator of optimum topology of plane trusses for specified fundamental frequency
T. Nakamura and M. Ohsaki 113

Combined structures-controls optimization of lattice trusses
A.V. Balakrishnan 131

Instructions to authors 153

Volume 94, No. 2, January 1992

An analysis of temperature radiation interchange problems
J. Argyris and J. Szimmat 155

Petrov–Galerkin Finite Element approach to coupled heat and fluid flow
J. Argyris, A Laxander and J. Szimmat 181

A constitutive algorithm for rate-dependent crystal plasticity
M.M. Rashid and S. Nemat-Nasser 201

Application of computer algebra to the iterative solution of singular integral equations
N.I. Ioakimidis 229

The intrinsic time for the streamline upwind/Petrov–Galerkin formulation using quadratic elements
R. Codina, E. Oñate and M. Cervera 239

The generation of element stiffness matrices from base matrices in the node space
H.L. Schreyer 263

Numerical analysis of unsteady viscoelastic flow
F.P.T. Baaijens 285

Instructions to authors 301

Volume 94, No. 3, February 1992

Accuracy and optimal meshes in finite element computation for nearly incompressible materials
P. Ladeveze, P. Marin, J.P. Pelle and J.L. Gastine 303

Plastic node method considering strain-hardening effects
Y. Ueda and M. Fujikubo 317

A new strategy for finite element computations involving moving boundaries and interfaces—The deforming-spatial-domain/space-time procedure: I. The concept and the preliminary numerical tests
T.E. Tezduyar, M. Behr and J. Liou 339

A new strategy for finite element computations involving moving boundaries and interfaces—The deforming-spatial-domain/space-time procedure: II. Computation of free-surface flows, two-liquid flows, and flows with drifting cylinders
T.E. Tezduyar, M. Behr, S. Mittal and J. Liou 353

A mixed formulation for the finite element solution of contact problems
P. Papadopoulos and R.L. Taylor 373

Mixed formulations for plate bending elements
S.L. Weissman and R.L. Taylor 391

A new finite element formulation for computational fluid dynamics: Development of an hourglass control operator for multidimensional advective-diffusive systems
M. Mallet, C. Poirier and F. Shakib 429

Author index 443

Subject index 447

Instructions to authors 453

Cumulative contents 455